



News

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Joining together to promote resistance welding excellence

Summer 2002

Launching the New RWMA

Springtime is traditional time of renewal and rebirth in nature. For the Resistance Welder Manufacturers' Association delegates gathered for the Spring Meeting in Big Rapids, Michigan, April 24-26, 2002, they helped with the launch of the new RWMA.

Plugging into the New RWMA was the theme for the first revamped Spring Meeting format. The first day included an opening luncheon for RWMA members and guests to informally gather prior to the first presentation of the day. *Covisint* Senior Vice President of Marketing **Dan Jankowski** delivered the inaugural *Technology Presentation* on how resistance welding companies can take advantage of the Big Three Automakers' market place web site. Future *Technology Presentations* will include one or more presenters who will provide information on the application of a technology or will inform the delegates of new productivity tools or services.

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Ferris State University played host at the RWMA Spring Meeting. Chairman Bill Brafford, Board Member Sean Patton, Ferris State University Professor David Murray and President David Beneteau pose for a picture during a tour of the Ferris welding labs and classrooms.

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2002 SPRING MEETING

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Launching the New RWMA

President **David Beneteau** and Chairman **Bill Brafford** officially launched the New RWMA at the Opening General Session. Their presentation covered the history and milestones of the RWMA and how the Strategic Planning Committee worked to develop the new meeting formats and new committee structure. The 2002 Spring Meeting marked the one-year anniversary of the Board adopting the new RWMA Strategic Plan. To celebrate, the delegates were feted with an ice cream treat from a traditional rite of springtime, the ice cream truck.

The afternoon was dedicated to the rollout of the new Technical Activities and Membership Committees. At the previous meeting in October 2001, RWMA held 15 committees and subcommittees meeting. Starting with the 2002 Spring Meeting, there were only four major committees – Education, Marketing, Membership and Technical Activities. Technical Activities Chair **Don Sorenson** and Membership Chair **Bob Roth** detailed for the delegates how their respective committees had changed and would operate at future meetings. Both Chairs described the many possible projects and existing initiatives new project oriented Work Groups open to members and non-RWMA experts to work on in between meetings.

To cap off the day, RWMA welcomed its *First Timers* and surprised **Bill Lucas** with birthday cake during the *Welcome Reception*.

The second day started with the rollout of the Marketing and Education Committees. **Fritz Bolle, Diana Darrah, Kurt Hofman, Ed Langhenry, Jr., Ron Leibovitz, Larry Moss** and **Ray Shook** spoke to the delegates on how their respective committees and subcommittees would work at future meetings.

Marketing Chair Shook and Education Chair Darrah detailed the priorities for their respective committees.

Later that morning, Web Site Subcommittee Chair **Fritz Bolle** led the delegates on a tour of resistance welding world on the Internet during a presentation on *Marketing Resistance Welding on the Web*. At future Spring Meetings, there will be numerous *Roundtable Discussions* on challenges facing resistance welding businesses.

The remainder of the day was set aside for the first *Activities Review Meeting*. The format of this new continuous meeting is designed to avoid concurrent committee meetings and to allow delegates to attend only the portion devoted to specific committees they volunteer for. The delegates reviewed all of the proposed committee activities and then voted to select the top committee priorities for Work Groups. The *Activities Review Meeting* was extremely productive and even the snow shower did not deter the delegates from completing their tasks.

As part of the Thursday Night Dinner, **Dr. Morton Marcus** regaled the meeting delegates with his comments on the economy.

The last day of the Spring Meeting was a wonderful morning tour of the Welding Labs and the FLITE Center on the campus of Ferris State University. A special thank you to **David Murray** and **Ken Kuk** for making all of the arrangements for our visit. The delegates visited the FLITE Center, where they participated in the inaugural *Spring Meeting Training Program*. The superior technology at the FLITE Center allowed every delegate to log on to the Internet and participate in a web conferencing demonstration. Future *Training Programs* will be how-to session for members so they can leave the meeting with a new knowledge or skill.

Save the Date

The new format for the Annual Meeting will be launched in Duck Key, Florida, October 24-26, 2002. All new committee and subcommittee chairs will be elected during the 2002 RWMA Annual Meeting.

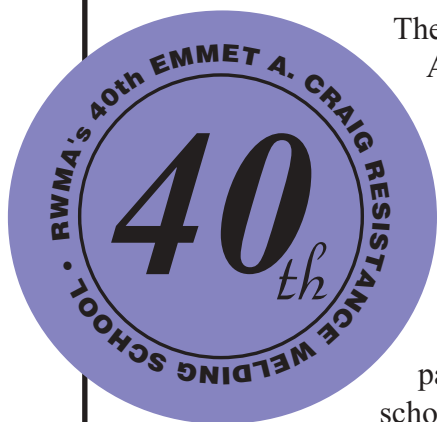
2002 SPRING MEETING

Work Plan Summary

These are the results of the voting taken place during the Activities Review Meeting. The Work Plan items are the priorities of the four committees over the next year.

ITEM	DESCRIPTION	COMMITTEE
1	Create Speaker Bureau script/program for schools	Education
2	Develop 1 day traveling hands on course	Education
3	Teachers Guide for vocational schools	Education
1	Reviewing the list of publications receiving press releases	Marketing
2	Arranging for approval and publication of the button-lock article	Marketing
3	Market Survey – Identify who key Users are and what they make	Marketing
4	Market Survey - Identify who key Producers are in the marketplace	Marketing
5	Write comparative articles on other joining processes	Marketing
1	Create process for recruiting, nominating and electing Committee leadership and preparing ballot prior to the Annual Meeting	Membership
2	Recruitment of prospective member	Membership
3	RWMA Committee and Committee Members Operations Manual	Membership
1	Bulletin 1- Precautionary Labeling of Resistance Welding Machines	Technical Activities
2	Document Approval process (include a method of retaining and archiving background material)	Technical Activities
3	Bulletin 16 - Resistance Welding Equipment Standards (Issue updates as first step)	Technical Activities
4	Bulletin 14 - Maintenance Manual for Resistance Welding Machines	Technical Activities
5	Quick Reference Manual	Technical Activities
6	Document style manual	Technical Activities
7	Bulletin 5 - Resistance Welding Control Standard	Technical Activities
8	Bulletin 2 – Product Designers Guide	Technical Activities

Cleveland Hosts Successful Spring Welding School



The Cleveland Airport Marriott in Cleveland, Ohio was the site of another successful welding school. A total of 36 students participated in the school, which was held March 12-13, 2002.

Attendee evaluations proved once again that the instructors did an outstanding job in sharing their technical expertise through lectures and hands-on demonstrations.

In addition to the information packed teaching sessions, attendees were given the opportunity to meet with RWMA members and learn more about the resistance welding industry during the popular table-top exhibit program. A special thank you to the following member companies who participated in the program:

*CenterLine (Windsor) Ltd.
CMW, Inc.*

*Copper and Brass Sales, Inc.
Resistance Welding Products, Ltd.*

*RoMan Manufacturing, Inc.
Stillwater Technologies, Inc.*

*T. J. Snow Company, Inc.
Taylor-Winfield Corporation*

Tuffaloy Products Inc.

Unitrol Electronics, Inc.

Watteredge-Uniflex, Inc.

Hotlink through RWMA Website

The searchable 2002 RWMA Membership Directory is on-line at our website, www.rwma.org. All Members and Associate Members, at no charge, are permitted a "Hotlink" from the RWMA website with the following stipulation:



For a Member / Associate Member company whose website contains any competitive metal joining process, they must provide a unique (resistance welding) page only promoting resistance welding for this link.

If you are interested in having a live link from the RWMA On-Line Membership Directory to your website, then please e-mail the computer code to RWMA Headquarters at rwma@fernley.com. This information will allow our technicians to set-up the link.

We would encourage you to provide a link from your company's homepage to ours. All you need to do to make the connection is to link to www.rwma.org.

If you have any questions or comments about the website, please feel free to contact Website Subcommittee Chair Fritz Bolle at fritzbolle@hotmail.com.

If you need a copy of the RWMA electronic logo in a jpg file format, please contact Headquarters at rwma@fernley.com.

PRESIDENT'S PERSPECTIVE

Summer 2002

By David M. Beneteau

The 2002 Spring Meeting in Big Rapids, Michigan will most certainly be remembered as a milestone event in the Association's history. The meeting was the culmination of the RWMA reorganization effort that began with the adoption of a new strategic plan, just one year ago.

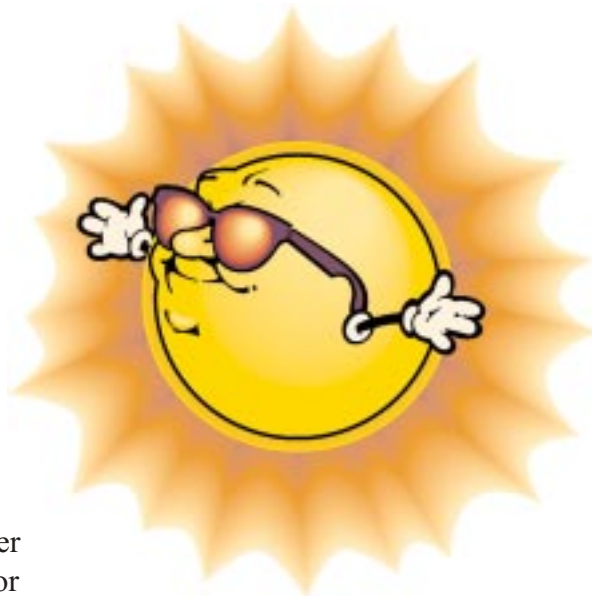
We had excellent guest speakers and several presentations to launch the redefined committee structure. We had time for learning, networking, and perhaps a little competitive intelligence. Most importantly, we had a number of special moments that remind us that we are each richer for having taken some time to spend with our peers and friends.

It is nice to look back for a moment to see how much we have done in the past year. Fortunately, we know all too well that dwelling on what has been done will not help us get to where we want to go; we must remain focused on the future.

At the meeting, the group prioritized a list of project proposals for organization focus. I have been encouraged by the number of inquiries that I received from individuals who were looking for the project list so they could get involved. Now that we have a little distance from the meeting, it is time to see how far we can go with this most important outcome of our trip to see our friends at Ferris State.

You should have recently received a document titled the Activities Participation Form, which includes a list of the priority objectives. If you have not seen it yet, please contact RWMA Headquarters to obtain a copy. Your interests should be directed to RWMA staff soon so that we can put together the Work Groups and begin to tackle these projects.

It will be exciting to see how far we can get before the Annual Meeting this fall (October 23-26).



2002 RWMA Membership Directories in Print and on the Web

The RWMA is pleased to announce the availability of the 2002 Membership Directory. The 2002 directory includes a complete list of company personnel, addresses, telephone, fax and e-mails for both Regular and Associate Members. Included is also a brief description about member companies and the types of products they manufacture.

Please use the pull-out membership application located in the center of the directory to give to those who would be interested in becoming a member of RWMA.

If you need additional copies of the directory, contact Headquarters at (215) 564-3484 or rwma@fernley.com.

Fall Welding School

Chicago, Illinois Northbrook Hilton September 18-19, 2002

Applications and brochures for the 40th RWMA Welding School are available for members to mail to clients and to share with employees. We need your assistance in helping to sell out the Fall Welding School. The RWMA member rate is \$420. The Non-Member rate is \$435 before August 21, 2002 and \$475 afterward.

Please contact Headquarters at (215) 564-3484 if you would like a supply of brochures to distribute to your customers and colleagues. Major promotion of the school will begin this month.

Refresher Course, Sponsoring a Client and Product Designer Special Offers

There are three special RWMA Welding School programs offered to RWMA members to take advantage of.

- 1) A discounted rate of \$150 is available for any individual, who has already attended the Welding School, but is interested in a refresher course.

- 2) Your company can sponsor a client's employee at the RWMA member rate of \$420.
- 3) The Resistance Welder Manufacturers' Association has reserved up to five free tuitions for Product Designers to attend the Fall Welding School, September 18-19, 2002 in Chicago, Illinois. The ideal candidate would be someone who would benefit from exposure to the resistance welding process. The Welding School would educate them about the speed, low cost, efficiency and economic benefits of the resistance welding process. The purpose of the program is to teach more Product Designers about the resistance welding process and to encourage them to draft specifications with resistance welding as the joining technology. The nomination deadline is August 21, 2002.

For more information on any of these programs, contact RWMA Headquarters at rwma@fernley.com

Thank you for supporting the RWMA Scholarship Fund in 2002

Ansonia Copper & Brass, Inc.

CenterLine (Windsor) Ltd., Specialty Machinery Division

Dengensha Manufacturing Company, LTD.

RoMan Manufacturing, Inc.

Sherbrooke Metals Corporation

Tecna S.P.A.

Watteredge-Uniflex, Inc.

NEW MEMBERS

Watch us Grow!

Welcome to New Members!

Regular

Jerry Roueche
The Roueche Company, LLC
2305-A Dodson Avenue
Chattanooga, Tennessee 37406
Machinery

Bruce G. Kelly
12889 Crescent Circle
Grand Ledge, Michigan 48837
Associate – Independent Consultants,
Engineers and Designers

Sunil P. Kulkarni
Gut. No. 322-A, Plot 3
Pirangut, Tal: Mulshi
Pune, Maharastra, India 412108
Associate – Engineers & Designers

Associate

G.J. Daumeyer, III
Resistance Welding Equipment & Supply
Company
2045 East 46th Street
Indianapolis, Indiana 45205-1491
Associate – Sales & Marketing Organizations

Wally Lewis
1271 West Maple Road
Clawson, Michigan 48017
Associate – Engineers & Designers

Gary Evitt
Southern Metal Joining Technology
100 Cherokee Boulevard, Suite 2010
Chattanooga, Tennessee 37405
Associate – Independent Consultants,
Engineers and Designers

Bill Lucas
Arwecon
2504 Standifer Oaks Road
Chattanooga, Tennessee 37421-9343
Associate – Independent Consultants,
Engineers and Designers

William E. Gibson II
535 North Main Street
Urbana, Ohio 43078-1301
Associate – Independent Consultants,
Engineers and Designers

Donizete Miranda
Rua Saldanha da Gama No. 75
Santo Andre, SP, Brazil 09180-330
Associate – Engineers & Designers

Kurt Hofman
Roman Engineering Services, Inc.
31681 DeQuindre Street
Madison Heights, Michigan 48071-0943
Associate – Suppliers

H. Suresh Reddy
A-153, A-154 III Cross
Peenya Industrial Estate
Bangalore, India 560-058
Associate – Engineers & Designers

Nick Rezai
Alphatron Industries
3411 SW 49th Way
Suite 3
Davie, Florida 33314-2113
North American Rebuilders

Spring 2002 - Patent News

The following list includes a number of patents recently issued by the U.S. Patent and Trademark Office that may be of interest to the membership of the RWMA. These patents have been identified by a general search of approximately 3,500 patents issued per week by the USPTO. This listing is for general information and is not intended to be an endorsement of the patentability of the claimed invention. Additional information on any of these patents, or a complete list of US patents is available via the USPTO website at: www.uspto.gov.

- US6323453B1 (11/27/01): LOW INERTIA BEARING FOR RESISTANCE SEAM WELDING WHEEL
- Newcor, Inc.
- US6326580B1 (12/04/01): JOINING APPARATUS - Miyachi Technos Corp
- US6329626 (12/11/01): WELDING APPARATUS
- US6335504B1 (01/01/02): APPARATUS FOR MONITORING SPOT WELDING PROCESS AND METHOD OF THE SAME - Essor International
- US6334595B1 (01/01/02): DEVICE FOR SUPPORTING A HAND-HELD TOOL – Car-O-Linear AB
- US6337456B1 (01/08/02): WELDING MACHINE AND METHOD FOR ASSEMBLING SAME -
Dengensha Mfg. Co.
- US6337458B1 (1/8/02): METHOD FOR AUTOMATICALLY SELECTING THE WELDING SEQUENCE FOR MANUAL WELDING ELECTRODE HOLDERS; MANUAL WELDING ELECTRODE HOLDER FOR IMPLEMENTING THE METHOD – ARO
- US6342686B1 (01/29/02): METHOD FOR DETERMINING A CONDITION OF A RESISTANCE SPOT WELDING SYSTEM OR A WORKPIECE IN THE SYSTEM -
Medar, Inc.
- US6347665B2 (02/19/02): SNUBBING UNIT TONG APPARATUS
- US6355900B1 (03/12/02): NUT POSITION SENSING WELD POINT
- US6355901B1 (03/12/02): WELDING ELECTRODE CONNECTING ADAPTER - The Nippert Co.
- US6359249B1 (03/19/02): NO WAT WELDING SYSTEM - DCT, Inc.
- USRE37607E (03/26/02): RESISTANCE PROJECTION WELDING SYSTEM AND METHOD FOR WELDING A FASTENER ELEMENT TO A WORKPIECE
- US6373020B1 (04/16/02): WELDING APPARATUS
- US6373021B1 (04/16/02): METHOD FOR ELECTRICAL RESISTANCE WELDING A METAL TUBE TO A METAL SHEET - General Motors
- US6373027B1 (04/16/02): WELDING POSITIONING SYSTEM FOR SEAM WELDING - Hyundai Motor Co.
- US6373245B1 (04/16/02): METHOD FOR INSPECTING ELECTRIC RESISTANCE WELDS USING MAGNETOSTRICTIVE SENSORS - Southwest Research
- US6375156B2 (04/23/02): WELDING GUN CYLINDER WITH CONTROL VALVE - Numatics, Inc.
- USD456426S (04/30/02): WELDING TOOL – ARO
- US6378186B1 (04/30/02): AUTOMOBILE FRAMING SYSTEM - Progressive Tool
- US6359566B2 (03/19/02): WELDING MACHINES - Nadex Co. Ltd.

RWMA Calendar of Events

2002

September 18-19
RWMA Fall Welding School
Chicago, Illinois

October 24-26
RWMA Annual Meeting
Duck Key, Florida

October 29-31
FABTECH Show
Cleveland, Ohio

2003

April 8-10
AWS Show
Detroit, Michigan

April 9-10
RWMA Spring Welding School
Detroit, Michigan

April 16-18
RWMA Spring Meeting
Cleveland, Ohio

September 16-17
RWMA Fall Welding School
Nashville, Tennessee

October 23-25
RWMA Annual Convention
Palm Springs, California

November 16-19
FABTECH Show
Chicago, Illinois

Wish List for Ferris

While visiting our friends at Ferris State University, RWMA provided a Wish List detailing resistance welding equipment for the Welding Engineering Technology Department. If you want to make a donation, then please contact David Murray at (231) 591-2646 or murrayd@ferris.edu.

- ✓ Inverter Welding Control
- ✓ Inverter Power Supply
- ✓ Servo Gun
- ✓ Small Seam Welder
- ✓ Current Meter-Monitors
- ✓ Force Gauges
- ✓ Nut welding/Feeding Equipment
- ✓ Electrodes-bulk
- ✓ Electrode dressing systems
- ✓ Any Small Welding Systems
- ✓ Constant Current welding Control



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Dave Beneteau	President
Larry Moss	First Vice President
Bill Brafford	Chairman
Joshua L. Waldorf	Executive Director
Donna Barton	Meeting Coordinator
Robin Walker	Member Service Coordinator
Suzanne C. Pine	Management Liaison

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The opinions expressed in any articles by outside consultants are their own views and not necessarily those of the RWMA.

2002 SPRING MEETING



President David Beneteau and Executive Director Joshua Waldorf welcome Spring Meeting First Timers during the Welcome Reception.
Troy Ransom, The Nippert Company
Steve Lewis, T.J. Snow Co., Inc.
Mark Summers, T.J. Snow Co., Inc.
Tom Flick, TG Systems
Kevin Gunning, Uniteck Miyachi International
Blake Rhein, Taylor-Winfield Corporation



Ray Shook and Wade Burnett catch up at the Welcome Reception.



Web Site Subcommittee Chair Fritz Bolle presents Marketing Resistance Welding on the Web during the Spring Meeting.

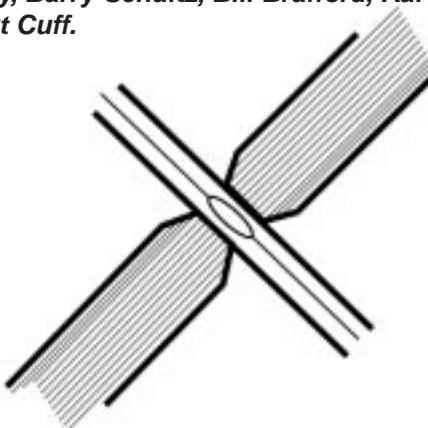
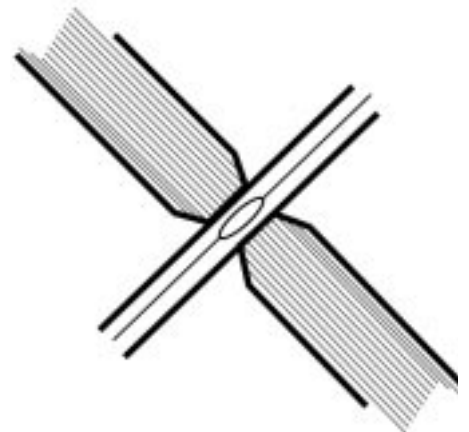
2002 SPRING MEETING



RWMA Spring Meeting delegates try out web conferencing at Ferris State University's FLITE Center.



RWMA Welding School Instructors – Tom Foley, Bruce Kelly, Barry Schultz, Bill Brafford, Kurt Hofman and Robert Cuff.



Students listening to a lecture during the 2002 RWMA Spring Welding School in Cleveland, Ohio.